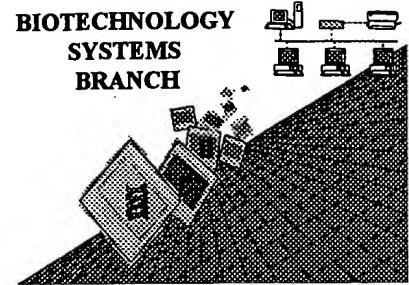


# RAW SEQUENCE LISTING

## ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/300,425

Art Unit / Team No.: 0186

Date Processed by STIC: 5/10/99

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

**1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**

**2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**

## Raw Sequence Listing Error Summary

ERROR DETECTED    SUGGESTED CORRECTION

SERIAL NUMBER: 09/300,425

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- |    |                                       |   |
|----|---------------------------------------|---|
| 1  | ____ Wrapped Nucleic                  | The number/text at the end of each line "wrapped" down to the next line.<br>This may occur if your file was retrieved in a word processor after creating it.<br>Please adjust your right margin to .3, as this will prevent "wrapping".   |
| 2  | ____ Wrapped Aminos                   | The amino acid number/text at the end of each line "wrapped" down to the next line.<br>This may occur if your file was retrieved in a word processor after creating it.<br>Please adjust your right margin to .3, as this will prevent "wrapping".  |
| 3  | ____ Incorrect Line Length            | The rules require that a line not exceed 72 characters in length. This includes spaces.<br>All text must be visible on page.  |
| 4  | ____ Misaligned Amino Acid Numbering  | The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs between the numbering. It is recommended to delete any tabs and use spacing between the numbers.   |
| 5  | ____ Non-ASCII                        | This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.<br>Please ensure your subsequent submission is saved in ASCII text so that it can be processed.   |
| 6  | ____ Variable Length                  | Sequence(s) ____ contain n's or Xaa's which represent more than one residue.<br>As per the rules, each n or Xaa can only represent a single residue.<br>Please present the maximum number of each residue having variable length and indicate in the (ix) features section that some may be missing.  |
| 7  | ____ Wrong Designation                | Sequence(s) ____ contain amino acid or nucleic acid designators which are not standard representations as per the Sequence Rules (Please refer to paragraph 1.822)  |
| 8  | ____ Skipped Sequences (OLD RULES)    | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence:<br>(2) INFORMATION FOR SEQ ID NO:X:<br>(i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")<br>(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:<br>This sequence is intentionally skipped<br><br>Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s). |
| 9  | ____ Skipped Sequences (NEW RULES)    | Sequence(s) ____ missing. If intentional, please use the following format for each skipped sequence.<br><210> sequence Id number<br><400> sequence Id number<br>000   |
| 10 | ____ Use of n's or Xaa's (NEW RULES)  | Use of n's and/or Xaa's have been detected in the Sequence Listing.<br>Use of <220> to <223> is MANDATORY if n's or Xaa's are present.<br>In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.  |
| 11 | ____ Use of <213>Organism (NEW RULES) | Sequence(s) _____ are missing this mandatory field or its response.   |
| 12 | ____ Use of <220>Feature (NEW RULES)  | Sequence(s) _____ are missing the <220>Feature and associated headings.<br>Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown".<br>Please explain source of genetic material in <220> to <223> section.<br>(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32)<br>(Sec. 1.823 of new Sequence Rules)   |
| 13 | ____ PatentIn ver. 2.0 "bug"          | Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other means to copy file to floppy disk.  |

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/300,425DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

*Does Not Comply  
Corrected Diskette Needed*

*pp. 1-4*

```

1 <110> APPLICANT: NERI, Dario
2 TARLI, Lorenzo
3 VITI, Francesca
4 BIRCHLER, Manfred
5 <120> TITLE OF INVENTION: Specific binding molecules for scintigraphy, conjugates
6 containing them and therapeutic method for treatment of
7 angiogenesis
8 <130> FILE REFERENCE: CIP
9 <140> CURRENT APPLICATION NUMBER: US/09/300,425
10 <141> CURRENT FILING DATE: 1999-04-28
11 <150> EARLIER APPLICATION NUMBER: US 09/075,338
12 <151> EARLIER FILING DATE: 1998-05-11
13 <160> NUMBER OF SEQ ID NOS: 21
14 <170> SOFTWARE: PatentIn Ver. 2.0
15 <210> SEQ ID NO 1
16 <211> LENGTH: 24
17 <212> TYPE: DNA
18 <213> ORGANISM: Artificial Sequence
19 <220> FEATURE:
20 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:
21 LMB1bis
22 <400> SEQUENCE: 1
23 gcgccccagc cggccatggc cgag 24
24 <210> SEQ ID NO 2
25 <211> LENGTH: 54
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:
30 DP47CDR1for
31 <400> SEQUENCE: 2
32 gaggctggcg gacccagctc atmmmmmmngctaaagggt gaatccagag gctg 54
33 <210> SEQ ID NO 3
34 <211> LENGTH: 23
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:
39 DP47CDR1back
40 <400> SEQUENCE: 3
41 atgagctggg tccgccaggc tcc 23
42 <210> SEQ ID NO 4
43 <211> LENGTH: 60
44 <212> TYPE: DNA

```

*All later 10 on even summary sheet*

W--&gt;

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/300,425DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

45 <213> ORGANISM: Artificial Sequence  
46 <220> FEATURE:  
47 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
48 DP47CDR2for  
49 <400> SEQUENCE: 4 *iter 10*  
W--> 50 gtctgcgtatgtggtag c~~m~~nactacc m~~a~~atm~~m~~nt gagacccact ccagccc~~t~~tt 60  
51 <210> SEQ ID NO 5  
52 <211> LENGTH: 24  
53 <212> TYPE: DNA  
54 <213> ORGANISM: Artificial Sequence  
55 <220> FEATURE:  
56 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
57 DP47CDR2back  
58 <400> SEQUENCE: 5  
59 acatactacg cagactccgt gaag 24  
60 <210> SEQ ID NO 6  
61 <211> LENGTH: 53  
62 <212> TYPE: DNA  
63 <213> ORGANISM: Artificial Sequence  
64 <220> FEATURE:  
65 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
66 JforNot  
67 <400> SEQUENCE: 6  
68 tcattctcga ct~~g~~cgcccg ct~~t~~tgatttc cac~~c~~ttggtc c~~t~~tgccga acg 53  
69 <210> SEQ ID NO 7  
70 <211> LENGTH: 47  
71 <212> TYPE: DNA  
72 <213> ORGANISM: Artificial Sequence  
73 <220> FEATURE:  
74 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
75 DPKCDR1for  
76 <400> SEQUENCE: 7 *iter 10*  
W--> 77 gtttctgctg gtaccaggct aam~~n~~ngctgc tgctaaca~~c~~ctgactg 47  
78 <210> SEQ ID NO 8  
79 <211> LENGTH: 23  
80 <212> TYPE: DNA  
81 <213> ORGANISM: Artificial Sequence  
82 <220> FEATURE:  
83 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
84 DPKCDR1back  
85 <400> SEQUENCE: 8  
86 tt~~a~~gcctgg~~t~~ accagcagaa acc 23  
87 <210> SEQ ID NO 9  
88 <211> LENGTH: 46  
89 <212> TYPE: DNA  
90 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
93 DPKCDR2for  
94 <400> SEQUENCE: 9

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/300,425**

DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

W--> 95            gccagtggcc ctgctggatg cmnnatagat gaggagcctg ggagcc  
96 <210> SEQ ID NO 10  
97 <211> LENGTH: 21  
98 <212> TYPE: DNA  
99 <213> ORGANISM: Artificial Sequence  
100 <220> FEATURE:  
101 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
102        DPKCDR2back  
103 <400> SEQUENCE: 10  
104        gcattccagca gggccactgg c  
105 <210> SEQ ID NO 11  
106 <211> LENGTH: 45  
107 <212> TYPE: DNA  
108 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
111        DP47baNco  
112 <400> SEQUENCE: 11  
113        gcggcccagc atgccatggc cgaggtgcag ctgttggagt ctggg  
114 <210> SEQ ID NO 12  
115 <211> LENGTH: 55  
116 <212> TYPE: DNA  
117 <213> ORGANISM: Artificial Sequence  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
120        CDR3for  
121 <400> SEQUENCE: 12  
122        ggttccctgg ccccagtat caaamnnnnn mnnnnnttc gcacagtaat atacg      stem 10  
123 <210> SEQ ID NO 13  
124 <211> LENGTH: 24  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
129        VHpullth  
130 <400> SEQUENCE: 13  
131        gcggcccagc atgccatggc cgag  
132 <210> SEQ ID NO 14  
133 <211> LENGTH: 66  
134 <212> TYPE: DNA  
135 <213> ORGANISM: Artificial Sequence  
136 <220> FEATURE:  
137 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
138        Jassm  
139 <400> SEQUENCE: 14  
140        cccgctaccg ccactggacc catcgccact cgagacggtg accagggttc cctggccccca 60  
141        gtagtc  
142 <210> SEQ ID NO 15  
143 <211> LENGTH: 62  
144 <212> TYPE: DNA

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/300,425DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

145 <213> ORGANISM: Artificial Sequence  
 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
 148 DPK22assm  
 149 <400> SEQUENCE: 15  
 150 gatgggtcca gtggcggtag cgggggcgcg tcgactggcg aaattgtgtt gacgcagtct 60  
 151 cc 62  
 152 <210> SEQ ID NO 16  
 153 <211> LENGTH: 63  
 154 <212> TYPE: DNA  
 155 <213> ORGANISM: Artificial Sequence  
 156 <220> FEATURE:  
 157 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
 158 DPK3for *Xem 10*  
 159 <400> SEQUENCE: 16  
 160 caccttggtc cttggccga acgtmmccgg mmmmmnaccm nnctgctgac agtaatacac 60  
 161 tgc 63  
 162 <210> SEQ ID NO 17  
 163 <211> LENGTH: 56  
 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Artificial Sequence  
 166 <220> FEATURE:  
 167 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
 168 Jfornot  
 169 <400> SEQUENCE: 17  
 170 gagtcattct cgacttgcgg ccgcattgtat ttccacacctg gtcccttggc cgaacg 56  
 171 <210> SEQ ID NO 18  
 172 <211> LENGTH: 24  
 173 <212> TYPE: DNA  
 174 <213> ORGANISM: Artificial Sequence  
 175 <220> FEATURE:  
 176 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer:  
 177 VLpullth  
 178 <400> SEQUENCE: 18  
 179 gatgggtcca gtggcggtag cggg 24  
 180 <210> SEQ ID NO 19  
 181 <211> LENGTH: 116  
 182 <212> TYPE: PRT  
 183 <213> ORGANISM: VH antibody specific for ED-B domain of fibronectin  
 184 <400> SEQUENCE: 19  
 185 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 186 1 5 10 15  
 187 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe  
 188 20 25 30  
 189 Ser Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 190 35 40 45  
 191 Ser Ser Ile Ser Gly Ser Ser Gly Thr Thr Tyr Tyr Ala Asp Ser Val  
 192 50 55 60  
 193 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 194 65 70 75 80

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/300,425DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

195 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
196 85 90 95  
197 Ala Lys Pro Phe Pro Tyr Phe Asp Tyr Trp Gly Gln Gly Thr Leu Val  
198 100 105 110  
199 Thr Val Ser Ser  
200 115  
201 <210> SEQ ID NO 20  
202 <211> LENGTH: 14  
203 <212> TYPE: PRT  
204 <213> ORGANISM: antibody linker  
205 <400> SEQUENCE: 20  
206 Gly Asp Gly Ser Ser Gly Gly Ser Gly Ala Ser Thr Gly  
207 1 5 10  
208 <210> SEQ ID NO 21  
209 <211> LENGTH: 108  
210 <212> TYPE: PRT  
211 <213> ORGANISM: VL antibody specific for ED-B domain of fibronectin  
212 <400> SEQUENCE: 21  
213 Glu Ile Val Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly  
214 1 5 10 15  
215 Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Ser  
216 20 25 30  
217 Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu  
218 35 40 45  
219 Ile Tyr Tyr Ala Ser Ser Arg Ala Thr Gly Ile Pro Asp Arg Phe Ser  
220 50 55 60  
221 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu  
222 65 70 75 80  
223 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Thr Gly Arg Ile Pro  
224 85 90 95  
225 Pro Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys  
226 100 105

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/300,425DATE: 05/10/1999  
TIME: 14:58:09

Input Set: I300425.RAW

## Line ? Error/Warning

## Original Text

32 W "N" or "Xaa" used: Feature required  
50 W "N" or "Xaa" used: Feature required  
77 W "N" or "Xaa" used: Feature required  
95 W "N" or "Xaa" used: Feature required  
122 W "N" or "Xaa" used: Feature required  
160 W "N" or "Xaa" used: Feature required

gagcctggcg gaccaggctc atmnnnmnnmn ngctaaag  
gtctgcgtag tatgtggtag cmnnactacc mnnaatmn  
gtttctgctg gtaccaggct aamnngctgc tgctaaca  
gccagtggcc ctgctggatg cmnnatagat gaggagcc  
ggttccctgg ccccagtatg caaamnnmnn mnnmnnntt  
caccttggtc cttggccga acgtmnnncgg mnnmnnac